

## ITEM 552



### REMOVING AND RELOCATING IRRIGATION SYSTEMS

*This item shall govern for removing and relocating portions of existing sprinkler systems within the City's right-of-way, which interfere with the proposed construction. Materials shall include PVC of various size, valves, sprinkler heads, specialties, controls, fittings, backflow preventers and wiring for automatic control irrigation system. The piping and sprinklers shall be installed in accordance with the plans and specifications or as directed by the Engineer. The installation of pipe shall include all joints or connections to existing pipes, valves or other appurtenances as may be required to complete the work.*

#### **MATERIALS:**

PVC Pipe – Pipe shall conform to the requirements of ASTM D1785, PVC 1120 Schedule 40; or ASTM D2241, PVC 1120 SDR 21, class 200.

PVC Fittings – Solvent welded socket type fittings, shall conform to requirements of ASTM D2466, Schedule 40. Threaded type fittings shall conform to requirements of ASTM D 2464, Schedule 80.

Solvent Cement – Solvent cement shall conform to the requirements of ASTM D 2564.

Backflow Preventers – Backflow preventers with intermediate atmospheric vent shall be in accordance with ASSE 1012. Reduced pressure principle backflow preventers shall be in accordance with ASSE 1013.

Accessories and Appurtenances – Pop-up spray heads, gear driven rotary heads, remote control valves, and valve boxes shall match existing equipment in brand model number and nozzles.

#### **INSTALLATION:**

Remove portions of sprinkler systems that conflict with the proposed new construction. Re-install sprinkler system after the required site grading has been completed.

Trenching around roots shall be hand excavated to pipe grade when roots of 2 inches diameter or greater are encountered. Trench width shall be 4 inches minimum or 1½ times diameter of pipe, whichever is wider. Backfill shall be hand tamped over excavation. Underground piping shall be installed to have 9" minimum cover over top of pipe.

#### **MEASUREMENT:**

Irrigation systems will be measured per linear foot completed in place.

#### **PAYMENT:**

The work performed as prescribed by this item will be paid for at the contract unit price bid, per linear foot for “removing and relocating irrigation systems” which price shall be full compensation for removing irrigation systems r present location and relocation to permanent location as shown on plans or as directed by the Engineer, for furnishing all materials, labor, tools, equipment and incidentals necessary to complete the work.

#### **BID ITEM:**

Item 552: Removing and relocating irrigation systems, per linear foot.